## **CLAIMS**

What is claimed is:

1	1.	A method comprising:	
2		receiving a request for a data stream from a client;	
3		sampling the data stream;	
4		generating one or more fingerprint blocks for one or more sampled portions of	
5	the data stream;		
6		sending one or more fingerprint blocks to the client; and	
7		sending the data stream to the client.	
1	2.	The method of claim 1, comprising sending to the client parameters for	
2	sampli	ing the data stream.	
1	3.	The method of claim 1, wherein generating one or more fingerprint blocks	
2	compr	ises generating cyclic redundancy check (CRC) values for the one or more	
3	sample	ed portions of the data stream.	
1	4.	A method comprising:	
2		requesting a data stream by a client from a server;	
3		receiving the data stream by the client;	
4		sampling the data stream at the client;	
5		generating one or more fingerprint blocks for one or more sampled portions of	
6	the data stream at the client; and		
7		comparing one or more fingerprint blocks generated at the client to one or more	
8	finger	orint blocks generated at the server.	

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- 1 5. The method of claim 4, comprising obtaining by the client one or more
- 2 fingerprint blocks generated at the server.
- 1 6. The method of claim 4, comprising generating an error message at the client if
- 2 one or more fingerprint blocks generated at the client do not match one or more
- 3 fingerprint blocks generated at the server.
- 1 7. The method of claim 4, comprising communicating an error message to the
- 2 server from the client if one or more fingerprint blocks generated at the client do not
- 3 match one or more fingerprint blocks generated at the server.
- 1 8. The method of claim 4, comprising communicating a valid status message to the
- 2 server from the client if one or more fingerprint blocks generated at the client match
- 3 one or more fingerprint blocks generated at the server.
- 1 9. A method comprising:
- 2 requesting a data stream from a server by a client;
- 3 sampling the data stream at the server;
- 4 generating one or more fingerprint blocks for one or more sampled portions of
- 5 the data stream at the server;
- 6 sending the data stream from the server to the client;
- 7 receiving the data stream by the client;
- 8 sampling the data stream at the client;
- generating one or more fingerprint blocks for one or more sampled portions of
- the data stream at the client; and

- comparing one or more fingerprint blocks generated at the client to one or more
- 12 fingerprint blocks generated at the server.
- 1 10. The method of claim 9, comprising sending one or more fingerprint blocks
- 2 generated at the server to the client.
- 1 11. The method of claim 9, comprising communicating an error message to the
- 2 server from the client if a threshold percentage of one or more fingerprint blocks
- 3 generated at the client do not match one or more fingerprint blocks generated at the
- 4 server.
- 1 12. The method of claim 10, wherein:
- 2 sending one or more fingerprint blocks generated at the server to the client
- 3 comprises sending one or more fingerprint blocks to the client through a first
- 4 connection between the server and the client; and
- sending the data stream to the client comprises sending the data stream to the
- 6 client through a second connection between the server and the client.
- 1 13. The method of claim 9, wherein generating one or more fingerprint blocks at the
- 2 server comprises generating cyclic redundancy check (CRC) values for one or more
- 3 sampled portions of the data stream.
- 1 14. The method of claim 9, comprising:
- 2 communicating a valid status message from the client to the server if a threshold
- 3 percentage of one or more fingerprint blocks generated at the client match one or more
- 4 fingerprint blocks generated at the server; and

5	generating an error message at the server if the valid status message is not
5	received in a predetermined amount of time.

- 15. An apparatus comprising:
- 2 an encoder to encode a media signal to create a data stream of encoded data;
- a fingerprint block generator to sample the data stream and to generate one or
- 4 more fingerprint blocks for one or more sampled portions of the data stream; and
- a packetizer to fragment the data stream to create one or more data packets
- 6 comprising the encoded data to send to a client.
- 1 16. The apparatus of claim 15, wherein the fingerprint block generator comprises
- 2 circuitry.

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- 1 17. The apparatus of claim 15, wherein the fingerprint block generator generates
- 2 one or more fingerprint blocks by generating cyclic redundancy check (CRC) values for
- 3 one or more sampled portions of the data stream.
- 1 18. The apparatus of claim 15, wherein the packetizer creates one or more data
- 2 packets containing one or more fingerprint blocks generated by the fingerprint block
- 3 generator.
- 1 19. A client comprising:
- a processor; and
- a memory coupled to said processor having stored therein a set of instructions to
- 4 cause said processor to request a data stream from a server, to receive the data stream,
- 5 to sample the data stream, to generate one or more fingerprint blocks for one or more

- 6 sampled portions of the data stream at the client, and to compare one or more
- 7 fingerprint blocks generated at the client to one or more fingerprint blocks generated at
- 8 the server.
- 1 20. The client of claim 19, wherein the set of instructions comprises instructions to
- 2 cause the processor to obtain one or more fingerprint blocks generated at the server.
- 1 21. The client of claim 19, wherein the set of instructions comprises instructions to
- 2 cause the processor to communicate an error message to the server if one or more
- 3 fingerprint blocks generated at the client do not match one or more fingerprint blocks
- 4 generated at the server.
- 1 22. The client of claim 19, wherein the set of instructions comprises instructions to
- 2 cause the processor to communicate a valid status message to the server if one or more
- 3 fingerprint blocks generated at the client match one or more fingerprint blocks
- 4 generated at the server.
- 1 23. A system comprising:
- a server comprising a first processor and a first memory coupled to the first
- 3 processor having stored therein a first set of instructions to cause the first processor to
- 4 receive a request for a data stream from a client, to sample the data stream, to generate
- 5 one or more fingerprint blocks for one or more sampled portions of the data stream, to
- 6 send the one or more fingerprint blocks to the client, and to send the data stream to the
- 7 client; and
- 8 a client comprising a second processor and a second memory coupled to the
- 9 second processor having stored therein a second set of instructions to cause the second

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- processor to request the data stream from the server, to receive one or more fingerprint
- blocks generated at the server, to receive the data stream, to sample the data stream, to
- 12 generate one or more fingerprint blocks at the client for one or more sampled portions
- 13 of the data stream, and to compare one or more fingerprint blocks generated at the
- client to one or more fingerprint blocks generated at the server.
- 1 24. The system of claim 23, wherein the first set of instructions comprises
- 2 instructions to cause the first processor to generate the one or more fingerprint blocks
- 3 by generating cyclic redundancy check (CRC) values for one or more sampled portions
- 4 of the data stream.
- 1 25. The system of claim 23, wherein the second set of instructions comprises
- 2 instructions to cause the second processor to generate an error message at the client if a
- 3 threshold percentage of one or more fingerprint blocks generated at the client do not
- 4 match one or more fingerprint blocks generated at the server.
- 1 26. The system of claim 25, wherein the threshold percentage is adjustable.
- 1 27. The system of claim 23, wherein the second set of instructions comprises
- 2 instructions to cause the second processor to generate a log file to store results of
- 3 comparing one or more fingerprint blocks generated at the client to one or more
- 4 fingerprint blocks generated at the server.
- 1 28. A machine readable medium having stored therein a plurality of machine
- 2 readable instructions for execution by a processor, the machine readable instructions
- 3 to:

- 4 receive a request for a data stream from a client;
- 5 sample the data stream;
- 6 generate one or more fingerprint blocks for one or more sampled portions of the
- 7 data stream;
- 8 send one or more fingerprint blocks to the client; and
- 9 send the data stream to the client.
- 1 29. The machine readable medium of claim 28, wherein the machine readable
- 2 instructions comprise instructions to generate one or more fingerprint blocks by
- 3 generating cyclic redundancy check (CRC) values for the one or more sampled portions
- 4 of the data stream.
- 1 30. The machine readable medium of claim 28, wherein the machine readable
- 2 instructions comprise instructions to send to the client parameters for sampling the data
- 3 stream.